

LISTING OF THE CLAIMS

1. (Currently Amended) An event notification and management system comprising:
an aggregation of logical components, each logical component having a coupling to a corresponding dynamic proxy;
an event notification service communicatively linked to a plurality of subscribing processes; and, an event queue disposed between said dynamic ~~proxies~~ proxy and said event notification service;
wherein at least one of said dynamic proxy comprises event notification logic and event management logic.
2. Canceled
3. (Currently Amended) The system of claim 1, further comprising an event list coupled to at least one of said dynamic ~~proxies~~ proxy.
4. (Original) The system of claim 1, further comprising an event-to-subscriber list coupled to said event notification service.
5. (Currently Amended) The system of claim 1, further comprising an event action list coupled to at least one of said dynamic ~~proxies~~ proxy.

6. (Original) A dynamic proxy configured for interoperation with a component instance in a dynamic aggregation of components, the dynamic proxy comprising:

a list of selected listener method calls in said component instance;

a communicatively coupling to an event queue; ~~and,~~

event notification logic coupled to said list and configured to post events to said event queue which relate to invoked listener method calls included in said list; and,

event management logic configured to selectively handle invoked listener method calls.

7. Canceled

8. (Currently Amended) The dynamic proxy of claim 7, wherein said event management logic comprises programming for selectively performing one of quashing an ~~invoked~~ one of said invoked listener method calls, handling said invoked one of said listener method calls without passing said ~~invoked~~ one of said invoked listener method calls to the component instance, assisting the component instance in handling said ~~invoked~~ one of said invoked listener method calls while passing said ~~invoked~~ one of said invoked listener method calls to the component instance, and modifying said ~~invoked~~ one of said invoked listener method calls before passing said ~~invoked~~ one of said invoked listener method calls to the component instance.

9. (Currently Amended) An event notification and management method comprising the steps of:

creating a component instance from an amalgamation of a dynamic proxy object definition and a component interface;

trapping selected calls to methods disposed within said component instance; routing a reference to said trapped selected calls to an event queue; and,

for each reference in said event queue, distributing a notification to a set of subscribers registered to receive notifications for said reference.

10. (Currently Amended) The method of claim 9, wherein said creating ~~step~~ a component instance comprises the step of instructing a factory object coupled to said dynamic proxy object definition to create said component instance.

11. (Currently Amended) The method of claim 9, further comprising the steps of:
determining whether an event notification service responsible for said distributing a notification ~~step~~ has been activated; and,
performing said routing ~~step~~ a reference only if said event notification service has been activated.

12. (Currently Amended) The method of claim 9, wherein said routing ~~step~~ a reference comprises the steps of:
consulting an event list enumerating specific ones of said trapped selected calls; and,
posting to said event queue only specific ones of said calls included in said event list.

13. (Original) The method of claim 9, further comprising the step of selectively performing one of quashing said trapped selected calls, handling said trapped selected calls without passing said trapped selected calls to said component instance, assisting said component instance in handling said trapped selected calls while passing said trapped selected calls to said component instance, and modifying said trapped selected calls before passing said trapped selected calls to said component instance.

14. (Currently Amended) A machine readable storage having stored thereon a computer program for event notification and management, the computer program comprising a routine set of instructions which when executed by a machine cause the machine to perform the steps of:

creating a component instance from an amalgamation of a dynamic proxy object definition and a component interface;

trapping selected calls to methods disposed within said component instance;

routing a reference to said trapped selected calls to an event queue; and,

for each reference in said event queue, distributing a notification to a set of subscribers registered to receive notifications for said reference.

15. (Currently Amended) The machine readable storage of claim 14, wherein said creating ~~step~~ a component instance comprises the step of instructing a factory object coupled to said dynamic proxy object definition to create said component instance.

16. (Currently Amended) The machine readable storage of claim 14, further comprising the steps of:

determining whether an event notification service responsible for said distributing a notification step has been activated; and,

performing said routing ~~step~~ a reference only if said event notification service has been activated.

17. (Currently Amended) The machine readable storage of claim 14, wherein said routing ~~step~~ a reference comprises the steps of:

consulting an event list enumerating specific ones of said trapped selected calls; and,

posting to said event queue only specific ones of said calls included in said event list.

18. (Original) The machine readable storage of claim 14, further comprising the step of selectively performing one of quashing said trapped selected calls, handling said trapped selected calls without passing said trapped selected calls to said component instance, assisting said component instance in handling said trapped selected calls while passing said trapped selected calls to said component instance, and modifying said trapped selected calls before passing said trapped selected calls to said component instance.